

A B S T R A C T

A method for manufacturing large capacitance solid electrolytic capacitors that can be connected direct with semiconductor component, and offer a superior high frequency characteristic. An aluminum foil 3 is made porous in one of the surfaces, a dielectric layer 2 is formed on the porous portion, a through hole 4 is provided in the aluminum foil 3 at a certain specific location. An insulation layer 5 is formed to cover the other surface, viz. non-porous surface, of the aluminum foil 3 and the inner wall surface of through hole 4, a solid electrolytic layer 6 is provided on the dielectric layer 2, and a through hole electrode 7 is formed in the through hole 4, and then a collector layer 8 is formed on the solid electrolytic layer 6. The insulation layer 5 disposed on aluminum foil 3 is provided with an opening 9 at a certain specific location, and a connection terminal 10 is provided at the opening 9 of insulation layer 5 and the exposed surface of the through hole electrode 7, respectively.



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